

MARINE ECOLOGY

PROGRESS SERIES

Volume 62 (1990)

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Inter-Research

1990

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Physiological ecology of phytoplankton

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Environmental effects on invertebrates

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Marine microbiology

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Physiological ecology of phytoplankton; primary production; benthic algae

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Reproduction of benthic invertebrates

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Physiological ecology and biochemistry of fishes

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Environmental effects on invertebrates

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Physiological ecology of invertebrates

PHYSIOLOGICAL MECHANISMS

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Resistance to stress including pollution; regulation; adaptation

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Behavioral physiology of fish; feeding; predation of fish larvae

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Comparative physiology

Bulnheim, H.-P., Prof.

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Metabolic performance of invertebrates; reproductive biology and sexuality

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Developmental physiology; endocrinology

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Biological rhythms

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Environmental zoo-physiology; behavior; biological rhythms

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Fish physiology

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Photosynthesis; plankton biochemistry

Levandowsky, M., Dr

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Chemosensory behavior; mathematical models

Naylor, E., Prof.

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Behavioural physiology; invertebrate biology

Marinescu, A.-G., Dr

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Stress effects on invertebrates

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Osmoregulation in estuarine invertebrates

Puiseux-Dao, S., Prof.

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Ecophysiology and toxicology of algae; cellular biology; behavior of algae

Zhirmunsky, A. V., Prof.

Institute of Marine Biology, Academy of Sciences, Vladivostok 690032, USSR
Mechanisms of cellular resistance and control

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Nutrition of invertebrates

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Microcosm cultures

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Cultivation of invertebrates

DYNAMICS

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Coral-reef ecology

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Physiology and ecology of corals

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Mangrove systems; reef studies

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Zooplankton biology, physiology, biochemistry

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Productivity of the sea; fish-population dynamics; biological oceanography

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Population biology; microbial ecology

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University of Cape Town, Zool. Dept, Rondebosch 7700, Republic of South Africa
Dynamics of nearshore ecosystems

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Population and community ecology of macroalgae

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Planktonic microbial ecology. Productivity and growth of microorganisms, especially bacteria

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Ecology of sea birds

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Benthos of deep sea and temperate coasts

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Coral-reef ecology; tropical marine biology

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Dynamics of biocoenoses

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Reproduction, biogeography, and evolution of benthic invertebrates

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Microbial food webs; trophic roles of phagotrophic protozoans

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Food webs and trophic interactions

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Rocky-coast ecosystems; deep-sea ecosystems

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Microzooplankton, particularly ciliates; secondary production

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Wetlands ecology, incl. submerged seagrasses and emergent marshes; production and utilization of detritus

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Oceanic plankton ecosystems; deep-sea amphipods; biological oceanography

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Organic matter in sea water; theoretical population dynamics; geochemistry; chemical oceanography

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Structure and functioning of benthic communities; meiofaunal ecology; energy flow

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Plankton ecology; community structure, population dynamics

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Pollution of marine environments

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Stress and pollution

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Radioactive and conventional pollution

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Fishery biology; stock assessment

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Effects of man-made and natural disturbances on coral reefs

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Heavy metal pollution; estuarine chemistry

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Fowler, S. W., Dr

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Pollution effects on zooplankton; radioecology

Gray, J., Prof.

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Pollution effects on benthos animals

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Management of fishery resources

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Oil degradation; oil pollution

Marinescu, A.-G., Dr

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Toxicology and stress responses in invertebrates

Mauchline, J., Dr

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Radioactive pollution

McLusky, D. S., Dr

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Biological effects of pollutants (petro-, chemical, organic enrichment)

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Fisheries ecology; fishery resources; zooplankton

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MARINE ECOLOGY PROGRESS SERIES

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